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REMARKS**Revisions to the Specification**

Examiner requested the correction of minor errors and further definition and explanation of terms. In response, Applicant has amended the specification accordingly. No new matter has been added.

Applicant respectfully requests the Examiner's reconsideration of the present application as amended. Claim 1 is cancelled. Claim 2, 29, 30, 31 are amended. Claims 2-31 remain in the application.

Non-statutory Double Patenting Rejection**1) U.S. Patent No. 6,487,048 of Knapp**

Claims 2 was rejected as being obvious over claim 2 of U.S. Patent No. 6,487,048 of Knapp, *Method For Delay-Optimizing Technology Mapping of Digital Logic*, in view of U.S. Patent No. 5,878,408 of Van Huben et al, *Data Management System and Process*, under the judicially created doctrine of obviousness-type double patenting. Applicant respectfully submits a terminal disclaimer in compliance with 37 C.F.R. 1.321 (c) to overcome the rejection under the judicially created doctrine of obviousness-type double patenting over claim 2 of Knapp.

2) U.S. Patent No.6,516,453 of Knapp

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Claims 3 and 9 were rejected as being obvious over claim 1 of U.S. Patent No. 6,516,453 of Knapp, *Method For Timing Analysis During Automatic Scheduling of Operations in the High-Level Synthesis of Digital Systems*, in view of U.S. Patent No. 5,878,408 of Van Huben et al, *Data Management System and Process*, under the judicially created doctrine of obviousness-type double patenting. Applicant respectfully submits a terminal disclaimer in compliance with 37 C.F.R. 1.321 (c) to overcome the rejection under the judicially created doctrine of obviousness-type double patenting over claim 1 of Knapp.

Claims 4 and 8 were rejected as being obvious over claims 2 and 3 of U.S. Patent No. 6,516,453 of Knapp, *Method For Timing Analysis During Automatic Scheduling of Operations in the High-Level Synthesis of Digital Systems*, in view of U.S. Patent No. 5,878,408 of Van Huben et al, *Data Management System and Process*, under the judicially created doctrine of obviousness-type double patenting. Applicant respectfully submits a terminal disclaimer in compliance with 37 C.F.R. 1.321 (c) to overcome the rejection under the judicially created doctrine of obviousness-type double patenting over claims 2 and 3 of Knapp.

3) U.S. Patent No. 6,516,453 of Knapp and U.S. Patent No. 6,4870,486 of Knapp

Claim 9 was rejected as being obvious over claim 1 of U.S. Patent No. 6,516,453 of Knapp, *Method For Timing Analysis During Automatic Scheduling of Operations in the High-Level Synthesis of Digital Systems*, claim 1 of U.S. Patent No. 6,4870,486 of Knapp, *Method For Delay-Optimizing Technology Mapping of Digital Logic*, in view of U.S. Patent No. 5,878,408 of Van Huben et al, *Data*

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Management System and Process, under the judicially created doctrine of obviousness-type double patenting. Applicant respectfully submits a terminal disclaimer in compliance with 37 C.F.R. 1.321 (c) to overcome the rejection under the judicially created doctrine of obviousness-type double patenting over claim 1 of U.S. Patent No. 6,516,453 Knapp and claim 1 of U.S. Patent No. 6,4870,486 of Knapp.

Claim 10 was rejected as being obvious over claim 1 of U.S. Patent No. 6,516,453 of Knapp, *Method For Timing Analysis During Automatic Scheduling of Operations in the High-Level Synthesis of Digital Systems*, claim 2 of U.S. Patent No. 6,4870,486 of Knapp, *Method For Delay-Optimizing Technology Mapping of Digital Logic*, in view of U.S. Patent No. 5,878,408 of Van Huben et al, *Data Management System and Process*, under the judicially created doctrine of obviousness-type double patenting. Applicant respectfully submits a terminal disclaimer in compliance with 37 C.F.R. 1.321 (c) to overcome the rejection under the judicially created doctrine of obviousness-type double patenting over claim 1 of U.S. Patent No. 6,516,453 Knapp and claim 2 of U.S. Patent No. 6,4870,486 of Knapp.

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SUMMARY

Claim 1 is cancelled. A terminal disclaimer is filed to overcome the non-statutory double patenting rejection of claims 2, 3, 7, 4, 8, 9, and 10 over claim 1 of Knapp. Claim 2, 29, 30, 31 are amended. Claims 2-22 are pending. No new matter has been added. Applicant respectfully submits that, in view of the amendments and discussion set forth herein, the pending claims are patentable over the prior art.

The examiner is invited to call Ivy Mei at 650-474-8400 to discuss the pending claims.

The Commissioner is hereby authorized to charge any additional fees due or credit any overpayment to Deposit Account No. 07-1445.

If there are any questions regarding this correspondence, please contact the undersigned at 650-474-8400.

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Ivy Y. Mei
Reg. No. 46,925

Glenn Patent Group
3475 Edison way, Suite L
Menlo Park, CA 94025
Tel: 650.474.8400
Fax: 650.474-8401